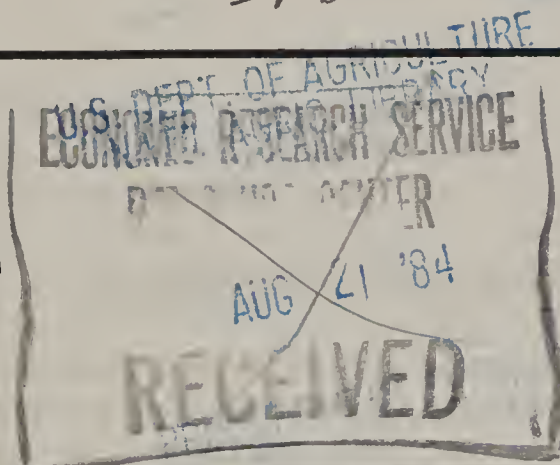


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foreign agriculture circular



U.S. Department of Agriculture
Foreign Agricultural Service
Economic Research Service

World Crop Production

Approved by the World Agricultural Outlook Board • USDA

✓ CHECK IN
INDEX
INPUT

PROJECTED GLOBAL GRAIN CROP DOWN SLIGHTLY
FROM JAN.; OILSEEDS UP; COTTON UNCHANGED

WCP-2-84
February 10, 1984

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U.S. Department of Agriculture
Economic Research Service
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MAR 30 1984

REGION	1981/82	1982/83	1983/84 PROJ.	
			JAN.	FEB.
TOTAL GRAINS (MILLION METRIC TONS) 1/				
=====				
WORLD	1633.5	1683.9	1611.6	1611.1
UNITED STATES	333.4	338.1	208.5	208.5
REST OF WORLD	1300.0	1345.8	1403.0	1402.6
OILSEEDS (MILLION METRIC TONS)				
=====				
WORLD	170.2	179.5	165.3	165.6
UNITED STATES	64.3	69.3	49.4	49.4
REST OF WORLD	105.9	110.3	115.9	116.2
COTTON (MILLION BALES)				
=====				
WORLD	70.8	67.5	67.5	67.5
UNITED STATES	15.6	12.0	7.7	7.7
REST OF WORLD	55.1	55.6	59.7	59.8

1/ INCLUDES RICE ON A ROUGH BASIS.

* Total world grain production for 1983/84 is forecast at 1,611 million tons, one-half million below last month's estimate and more than 4 percent below last year's record. The decrease from last month is the net effect of a combination of revisions in estimates of already harvested Northern Hemisphere crops, and revisions in projections of Southern Hemisphere crops that either are growing still or just have been harvested. Recent weather generally was harmful to coarse grain crops in Brazil and parts of Africa, but beneficial in Argentina. There were no revisions in U.S. or Soviet grain production estimates.

* The world wheat production estimate is set at a record 489 million tons, 1 million above last month's estimate and almost 2 percent above the 1982/83 mark. The major reason for the increase from the January projection was an 900,000-ton upward revision in Australia's record harvest to 21.4 million. Poor quality is reported in 25-30 percent of the crop because of wet harvest weather.

(continued on page 3)

WORLD CROP PROJECTIONS

Projections of 1983/84 world crop production are tentative. For the Northern Hemisphere, the projections include harvested winter grain crops and spring crops such as wheat, corn, soybeans, and cotton. For the Southern Hemisphere, projections include winter grains and spring crops mostly in the reproductive or grain filling stage. Climatic and market developments over the next few months will continue to influence 1983/84 production prospects for the Southern Hemisphere.

Crop projections for countries other than the United States generally are based on surveys, historical trends in area and yield, and analysts' judgements. Estimates of 1983 U.S. acreage, yield, and production for crops are from the U.S. Crop Production 1983 Annual Summary report released January 13, 1984 by USDA's Crop Reporting Board.

This report draws on information from USDA's global network of agricultural attaches and counselors, commodity analysts, country and regional specialists, and the staff of the Joint Agricultural Weather Facility. The report is prepared by the Foreign Agricultural Service (FAS), the Economic Research Service (ERS), and the World Agricultural Outlook Board (WAOB).

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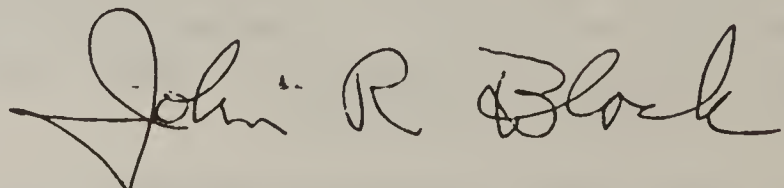
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SECRETARY OF AGRICULTURE

- * The forecast for global coarse grain production has been lowered one-and-a-half million tons from last month to 687 million tons. This represents a 12-percent reduction from the 1982/83 record. Changes in current crop prospects included substantial downward revisions for South Africa, Zimbabwe, the Sudan, and Brazil because of hot, dry weather. The South African corn crop forecast was lowered 32 percent to 6.5 million tons. Favorable rains prompted 250,000-ton upward adjustments in the Argentine corn and sorghum forecasts. The Chinese crop was raised 3 million tons to a record 90 million.
- * The 1983/84 global rice harvest estimate is placed at 436 million tons, virtually unchanged from a month ago and still 4 percent above the 1982/83 record.
- * World oilseed production is forecast at 165.6 million tons, up 0.3 million from last month but off 8 percent from year-earlier levels. Upward revisions for soybean and sunflowerseed crops in Argentina and for Chinese cottonseed are partially offset by downward adjustments in the Soviet sunflowerseed and cottonseed estimates. No revisions were made in the U.S. estimate.
- * World soybean output is estimated at 79.7 million tons, up 0.3 million from a month ago but 15 percent below last year. A 6-percent upward revision in the Argentine crop to 5 million tons accounts for this month's change. Very good weather is pointing to much better yield prospects than indicated last month, although yields still are forecast below the 1978/79 record.
- * Global sunflowerseed production is forecast at 16.2 million tons, down slightly from last month. Timely rains in January improved yield prospects in Argentina, and the crop estimate has been raised to 2.7 million tons, up 0.2 million from last month. In the USSR, the crop estimate has been cut to 5.1 million tons, 0.3 million below January.
- * World cottonseed output is projected at 27.2 million tons, unchanged from last month. Upward revisions for the Chinese crop are offset partly by lower Soviet yield prospects.
- * The global world rapeseed projection, at 14.7 million tons, is up 0.2 million from last month. A larger area and production estimate in India is the principal reason for this month's higher world estimate.
- * World cotton production is estimated at 67.5 million bales, the same as 1982/83. Output also is unchanged from last month's estimate, as improved Chinese prospects offset slight reductions in the Soviet Union and Pakistan. Chinese production has been revised up 0.5 million bales to 20.5 million, based on confirmation of higher procurement levels. Soviet output is placed at 12.7 million bales, down 2 percent reflecting late-season harvesting difficulties. In Pakistan, the crop is estimated at 2.2 million bales, down 8 percent. Still, foreign output this season is placed at a record 59.8 million bales, over 4 million above 1982/83. Based on early January indications, the U.S. crop is estimated at 7.7 million bales, down 35 percent from 1982/83.

WORLD WEATHER HIGHLIGHTS THROUGH FEBRUARY 9

UNITED STATES--January temperatures were above normal from the northern Great Plains to the West Coast. By early February, snowcover was gone from most of the Great Plains, exposing winter wheat to potential cold damage. However, a recent cold outbreak, which produced blizzard-like conditions from Minnesota to northern Missouri, passed east of the Great Plains but brought subfreezing temperatures as far south as northern Florida. As the warm weather promotes early winter grain growth in the southern Plains, rain will be needed. Much of the nation had below-normal precipitation last month. The central plateau of the Rockies, the South and the East were colder than average.

Western USSR--Moisture supplies increased gradually over most winter grain areas. Snowcover extended south, but 50 percent of the major winter wheat area (southern Ukraine, most of the North Caucasus, and lower Volga Valley) still lacks protective cover. Widely fluctuating temperatures across the west and south produced freeze-thaw conditions with possible ice crusting. In early February, the coldest weather to date covered southeastern crop areas. Nighttime lows dropped to around -20°C on February 5. Overall, the impact of the cold was minimal because temperatures moderated the following day and, therefore, were not of sufficient duration to produce significant winterkill. Winterkill conditions so far this season have been near average.

Europe--Wet weather covered winter grains in England, France, the Netherlands and Belgium, and heavy rains fell over much of West Germany. Light precipitation in the Iberian Peninsula maintained adequate moisture for winter grain growth in the north. Additional moisture is needed in the south because the crop has not received significant showers since late December. Rain and snow showers gradually increased moisture reserves in northern Italy and eastern Europe.

South America--Rainfall was below average in the northern half of Brazil's soybean belt as the crop moved into flowering and podding stages by early February. Hot weather stressed the crop until late January when showers broke the hot, dry spell. Warm weather has continued, and some soybean areas need moisture, especially Sao Paulo and vicinity. Elsewhere, substantial rains aided soybeans in Rio Grande do Sul, and seasonal rains in most Argentine growing areas benefited summer crops which range from vegetative growth (second-crop soybeans) to maturing (early-planted corn).

Australia--Periods of wet weather slowed late wheat harvesting which finally neared completion by late January. Ample moisture was available for summer crops but dry weather is needed to aid crop development.

South Africa--Adverse weather has resulted in lower yield potentials than expected earlier. Mostly dry, hot weather prevailed in the Maize Triangle during the critical, moisture-sensitive reproductive and early grain-filling stages. Corn was damaged most in the major producing areas of west Transvaal and the northwest Orange Free State where temperatures were the hottest. Slightly cooler weather reduced evaporative demand in eastern corn areas but moisture was limited. A tropical cyclone in eastern South Africa damaged sugar and minor corn areas. Recent showers in the southwestern Maize Triangle slowed yield deterioration but major corn areas remain mostly dry.

Northwestern Africa--Wet weather recently aided winter grains in the vegetative stage in northeastern Algeria and northern Tunisia. Significant rains relieved earlier dryness in these areas. In contrast, mostly dry weather in western Morocco and the extreme western portion of Algeria continued a drying trend which began in late December.

South Asia--Winter precipitation has been below normal in the major northern wheat region from Punjab through Uttar Pradesh. Below-normal temperatures in the north eased evaporative demand. Scattered rains in January maintained adequate moisture supplies for wheat in the grain-filling stage in the minor crop areas of Madhya Pradesh. Scattered showers along the eastern coast have aided summer rice in Andhra Pradesh and West Bengal. Additional rains would benefit irrigation supplies for summer rice as the crop moves through the heading stage next month.

Eastern Asia--Periods of light showers helped replenish soil moisture supplies south of the Yangtze River. The moisture will be utilized by the early rice crop, normally planted in early March. Seasonably dry weather occurred north of the Yangtze where winter wheat is dormant. Temperatures were below normal in most of eastern China but only limited areas in the north were cold enough to cause concern for potential winterkill. Winter wheat normally breaks dormancy in early March and precipitation would supplement irrigation supplies.

(More details are available in the Weekly Weather and Crop Bulletin. Subscription information may be obtained by calling (202) 447-7917.)

WORLD AGRICULTURAL WEATHER HIGHLIGHTS

Date FEBRUARY 9, 1984



World crop production summary 1/

Commodity	United States	Canada	Western Europe	Eastern Europe	USSR	China	India	Pakistan	South Asia	Other Asia	Near East and S.W. Asia
1: Wheat	76.2	24.8	60.9	30.6	80.0	59.6	36.3	11.5			
2: 1981/82	76.5	26.8	68.3	34.8	86.0	68.4	37.5	11.5			
3: 1982/83	66.0	26.9	67.9	34.4	80.0	80.0	42.5	12.3			
4: 1983/84	66.0	26.9	67.8	34.4	80.0	80.0	42.5	12.3			
5: Jan. proj.											
6: Feb. proj.											
7: Coarse grains											
8: 1981/82	249.0	26.0	87.9	64.5	72.0	80.8	31.4	1.6	4.5		
9: 1982/83	254.6	26.7	93.7	71.8	86.0	86.0	27.9	1.6	3.2		
10: 1983/84	138.0	21.3	84.9	65.1	108.0	87.0	30.9	1.7	4.0		
11: Jan. proj.	138.0	21.3	85.3	65.1	108.0	90.0	30.9	1.7	4.0		
12: Feb. proj.											
13: Rice (rough)											
14: 1981/82	8.3	---	1.6	0.2	2.4	144.0	80.0	5.2	32.8		
15: 1982/83	7.0	---	1.7	0.2	2.4	161.2	69.8	5.1	34.1		
16: 1983/84											
17: Jan. proj.	4.5	---	1.5	0.2	2.5	161.0	84.8	5.3	34.3		
18: Feb. proj.	4.5	---	1.5	0.2	2.5	161.0	84.8	5.3	34.3		
19: Total											
20: grains											
21: 1981/82	333.4	50.8	150.4	95.4	154.4	284.4	147.7	18.2	37.3		
22: 1982/83	338.1	53.5	163.6	106.8	174.4	315.7	135.2	18.1	37.3		
23: 1983/84											
24: Jan. proj.	208.5	48.2	154.2	99.7	190.5	328.0	158.2	19.2	38.3		
25: Feb. proj.	208.5	48.2	154.6	99.7	190.5	331.0	158.2	19.2	38.3		
26: Oilseeds											
27: 1981/82	64.3	3.1	3.7	4.0	10.6	24.5	13.4	1.8	1.2		
28: 1982/83	69.3	3.9	5.1	4.1	11.0	27.1	11.9	2.0	1.3		
29: 1983/84											
30: Jan. proj.	49.4	3.9	5.1	4.1	11.3	27.4	13.9	1.4	1.4		
31: Feb. proj.	49.4	3.9	5.1	4.1	10.9	27.6	14.1	1.3	1.4		
32: Cotton											
33: 1981/82	15.6	---	0.9	0.1	13.3	13.6	6.4	3.5	---		
34: 1982/83	12.0	---	0.7	0.1	11.9	16.5	6.3	3.7	---		
35: 1983/84											
36: Jan. proj.	7.7	---	0.8	0.1	13.0	20.0	6.3	2.4	---		
37: Feb. proj.	7.7	---	0.8	0.1	12.7	20.5	6.3	2.2	---		

11/ 1982/83 estimates are preliminary. The 1983/84 projections are based on surveys, trends, and judgment of commodity and country analysts. Where available, USDA Crop Reporting Board estimates are used for the United States.

estimates are used for the United States. 2/ Includes total of wheat, coarse grains, and rice shown above. Proj. 1983/84 Soviet crop of 200 million tons includes around 9 million tons of minor grains and pulses not shown in total above. The total Soviet grain crop is estimated at 180 million tons for 1982/83 and 160 million for 1981/82.

World crop production summary 1/---Continued

Major regions and countries

: Middle East	: Latin America	: Oceania:	: Total :	: Other :	: World :	: World :
: and	: and	: Oceania:	: for :	: and :	: less :	: World :
: Africa	: Caribbean	: Major :	: regions:	: tries :	: United :	: States :
:South :	: Argen-	: Austra-	: and :	: and :	: United :	: States :
:Africa:	: Turkey :	: tina :	: Brazil :	: lia :	: Cnty's :	: regions:

---Million metric tons---

2.3	13.2	8.3	2.2	16.4	422.3	28.1	374.2	450.4
2.4	13.8	14.5	1.8	8.9	451.2	29.7	404.4	480.9
1.8	13.0	11.7	2.0	20.5	459.0	28.8	421.9	487.9
1.8	13.0	11.7	2.0	21.4	459.9	28.8	422.7	488.7
8.8	8.1	18.4	23.4	6.6	687.7	82.8	521.6	770.5
4.3	8.7	18.1	19.9	3.7	710.0	73.0	528.4	783.0
10.1	7.5	18.6	23.2	9.3	613.7	74.7	550.4	688.4
7.0	7.5	19.1	22.0	9.3	613.3	73.5	548.8	686.8
----	0.3	0.4	9.2	0.9	302.8	109.7	404.2	412.5
----	0.3	0.3	7.8	0.5	307.3	112.7	413.0	420.5
----	0.3	0.3	9.0	0.8	322.5	112.7	430.8	435.3
----	0.3	0.3	9.0	0.8	322.5	113.1	431.1	435.6
11.2	21.6	27.0	34.7	23.8	1412.8	220.7	1300.0	1633.5
6.7	22.8	32.9	29.6	13.2	1468.6	215.4	1345.8	1683.9
11.9	20.8	30.6	34.2	30.5	1395.3	216.3	1403.0	1611.6
8.8	20.8	31.1	33.0	31.4	1395.8	215.3	1402.6	1611.1
0.4	1.4	7.3	14.3	0.5	151.1	12.5	105.9	170.2
0.3	1.5	7.0	16.2	0.3	161.4	11.9	110.3	179.5
0.9	1.6	8.3	16.9	0.6	146.3	12.5	115.9	165.3
0.9	1.6	8.9	16.8	0.6	146.9	12.1	116.2	165.6

---Million 480-pound bales---

0.2	2.2	0.7	3.0	0.6	60.4	10.4	55.1	70.8
0.1	2.2	0.5	3.0	0.5	57.7	9.8	55.6	67.5
0.2	2.4	0.8	2.5	0.7	57.1	10.4	59.7	67.5
0.2	2.4	0.8	2.5	0.7	57.1	10.4	59.8	67.5

3/ Totals for major regions and countries and other countries include the six major oilseeds shown elsewhere in this report, while world total also includes copra and palm kernels for countries shown plus other countries

---- No production reported or insignificant production.

**Totals may not add due to rounding.

U.S. Crop Acreage, Yield and Production
(Domestic Units)

Item	Harvested area		Yield		Production	
	: 1981/82	: 1982/83	: 1983/84	: 1981/82 : 1982/83	: 1983/84	: 1981/82 : 1982/83 : 1983/84
All wheat	81.0	79.0	61.5	34.5	35.6	39.4
Winter	58.6	58.5	47.7	35.9	36.1	41.8
Other	22.4	20.5	13.8	31.1	34.2	31.3
Rye	0.7	0.7	0.9	26.7	29.1	30.5
Feedgrains	107.0	106.3	80.4	2.32	2.38	1.71
Corn	74.7	73.0	51.5	109.8	114.5	81.6
Sorghum	13.7	14.2	9.9	64.1	58.1	48.8
Barley	9.2	9.1	9.9	52.3	57.3	52.4
Oats	9.4	10.6	9.1	54.1	58.4	52.5
Soybeans	66.4	69.8	62.2	30.1	31.9	25.7
Rice	3.8	3.3	2.2	4819	4708	4598
All cotton	13.8	9.7	7.3	543	590	506

U.S. Planted Area for Major Crops 1/

Item	Wheat		Rye	Rice	Feedgrains						Soybeans	Cotton	Total maj. Crops		
	Winter	Other			Total	Corn	Sorghum	Barley	Oats	Total					
	--- Million acres ---														
1981/82	66.0	22.9	88.9	2.6	3.8	84.2	16.0	9.7	13.7	123.6	67.8	14.3	301.0		
1982/83	66.5	20.9	87.4	2.6	3.3	81.8	16.1	9.6	14.3	121.8	71.5	11.3	297.9		
1983/84 1/	62.5	14.3	76.8	2.8	2.2	60.2	11.8	10.6	20.3	102.9	63.5	8.0	256.2		

1/ Preliminary.

Coarse grains area, yield, and production: World and selected countries and regions 1/

Region/country	Area		Yield		Production	
	1981/82	1982/83	1981/82	1982/83	1981/82	1982/83
	43.6	43.6	5.71	5.84	4.19	4.19
United States	9.2	8.9	2.83	2.99	2.70	2.70
Canada	24.5	24.0	3.59	3.90	3.67	3.67
Western Europe	19.7	19.7	3.27	3.64	3.42	3.42
Eastern Europe	58.0	58.0	1.24	1.48	1.73	1.73
USSR	31.1	30.5	2.60	2.82	2.94	2.94
Gen. Planned Asia:	42.3	40.5	0.74	0.69	0.74	0.74
PRC	2.0	2.1	2.40	1.82	2.06	2.06
South Asia	4.9	4.8	1.78	0.90	1.48	1.48
India	4.3	4.3	1.90	2.01	1.94	1.94
N East&Other Asia:	6.4	6.3	2.88	2.85	2.95	2.95
Thailand	13.7	11.4	1.71	1.74	1.78	1.78
M East and Africa:	4.8	4.5	1.37	0.84	1.53	1.53
South Africa	264.5	258.7	2.58	2.73	2.39	2.39
Turkey	85.0	80.1	1.05	0.97	0.97	0.97
L America & Carib:	349.5	338.8	2.20	2.31	2.05	2.05
Argentina	305.9	295.2	1.70	1.79	1.81	1.81
Brazil	27.3	26.6	2.36	2.13	2.31	2.31
Oceania	4.8	4.5	1.37	0.84	1.53	1.53
Australia	264.5	258.7	2.58	2.73	2.39	2.39
Total above	85.0	80.1	1.05	0.97	0.97	0.97
Other countries	349.5	338.8	2.20	2.31	2.05	2.05
World	305.9	295.2	1.70	1.79	1.81	1.81
World less U.S.	27.3	26.6	2.36	2.13	2.31	2.31
Major foreign ex- porters 2/	43.6	43.6	5.71	5.84	4.19	4.19

1/ Totals and averages based on unrounded data. 1982/83 is estimated and preliminary. 1983/84 is projected based on surveys, trends, and analysts' judgement.

2/ Includes Canada, Australia, Argentina, South Africa, and Thailand.

[illegible]

33/ Includes USSR, Pakistan, Egypt, Sudan, Turkey, Central America and Mexico.

Oilseeds production: World and selected countries, regions, and commodities 1/

	:	:	:	:	:	:	: Cent. :	:	:
	:	:	:	:	:	:	: Planned:	South	Asia :
	:	:	:	:	:	:	: Asia :	:	:
Commodity	:	United :	Canada :	Western:	Eastern:	USSR	:-----:		
	:	States :		Europe :	Europe :		: China :	India :	Pakistan:
	:								
	:								
	:								
	:								
Cottonseed	:								
1: 1981/82	:	5.80	0.00	0.34	0.02	5.28	5.94	2.73	1.50
2: 1982/83	:	4.30	0.00	0.29	0.02	5.00	7.20	2.68	1.65
3: 1983/84	:								
4: Jan. proj.	:	2.82	0.00	0.33	0.03	5.10	8.70	2.69	1.05
5: Feb. proj.	:	2.82	0.00	0.33	0.03	5.00	8.92	2.69	0.97
	:								
Peanut	:								
(In-shell)	:								
6: 1981/82	:	1.81	0.00	0.01	0.00	0.00	3.83	7.22	0.07
7: 1982/83	:	1.56	0.00	0.01	0.00	0.00	3.92	5.55	0.08
8: 1983/84	:								
9: Jan. proj.	:	1.49	0.00	0.01	0.00	0.00	3.70	7.30	0.08
10: Feb. proj.	:	1.49	0.00	0.01	0.00	0.00	3.70	7.30	0.08
	:								
Sunflowerseed	:								
11: 1981/82	:	2.04	0.16	0.90	2.25	4.68	1.33	0.16	0.02
12: 1982/83	:	2.42	0.09	1.52	2.17	5.34	1.29	0.22	0.02
13: 1983/84	:								
14: Jan. proj.	:	1.45	0.05	1.70	1.93	5.40	1.30	0.30	0.02
15: Feb. proj.	:	1.45	0.05	1.70	1.93	5.10	1.30	0.30	0.02
	:								
Rapeseed	:								
16: 1981/82	:	0.00	1.85	2.43	1.16	0.03	4.06	2.38	0.24
17: 1982/83	:	0.00	2.25	3.13	1.08	0.06	5.66	2.47	0.24
18: 1983/84	:								
19: Jan. proj.	:	0.00	2.68	2.94	1.37	0.12	4.40	2.50	0.25
20: Feb. proj.	:	0.00	2.68	2.94	1.37	0.12	4.40	2.70	0.25
	:								
Flaxseed	:								
21: 1981/82	:	0.20	0.47	0.03	0.08	0.16	0.00	0.48	0.01
22: 1982/83	:	0.30	0.73	0.04	0.08	0.15	0.00	0.48	0.01
23: 1983/84	:								
24: Jan. proj.	:	0.19	0.46	0.04	0.08	0.21	0.00	0.45	0.01
25: Feb. proj.	:	0.19	0.46	0.04	0.08	0.21	0.00	0.45	0.01

1/ totals and averages based on unrounded data. 1982/83 is estimated and preliminary. 1983/84 is projected based on surveys, trends and analyst's judgement.

2/ Countries included: India, Sudan, Argentina, and Brazil for cottonseed; Eastern Europe and Argentina, sunflowerseed; Canada, rapeseed; and India, Senegal, Sudan, Argentina, and Brazil, peanuts; Argentina and Canada, flaxseed.

Oilseeds production: World and selected countries, regions, and commodities--Cont.

Major regions and countries															
Middle East and Africa		Latin America and Caribbean		Total for Major regions		Other countries		World less United States		Major foreign exporters					
: Egypt : Senegal: Sudan :		: Argentina : Brazil :Paraguay:		: and : Cnty's :		: and :		: and :		: and :		: and :		: and :	
---Million metric tons---															
0.80	0.02	0.31	0.29	1.16	0.18	24.37	3.80	28.17	22.36	4.49	1				
0.74	0.04	0.41	0.21	1.20	0.15	23.90	3.43	27.33	23.02	4.51	2				
0.63	0.02	0.44	0.30	0.99	0.20	23.28	3.92	27.21	24.39	4.41	3				
0.63	0.02	0.44	0.30	0.97	0.20	23.23	3.93	27.22	24.40	4.40	4				
0.02	0.88	1.11	0.26	0.29	0.02	15.52	4.41	19.93	18.12	9.76	5				
0.02	0.90	1.00	0.21	0.25	0.03	13.54	4.28	17.82	16.26	7.92	6				
0.02	0.58	1.00	0.14	0.26	0.03	14.61	4.65	19.26	17.78	9.25	7				
0.02	0.50	1.00	0.20	0.23	0.03	14.56	4.57	19.13	17.64	9.23	8				
0.01	0.00	0.00	1.98	0.03	0.00	13.55	1.17	14.72	12.69	4.23	9				
0.01	0.00	0.00	2.30	0.03	0.00	15.41	1.09	16.51	14.09	4.47	10				
0.01	0.00	0.00	2.50	0.03	0.00	14.68	1.64	16.32	14.87	4.43	11				
0.01	0.00	0.00	2.70	0.03	0.00	14.58	1.64	16.22	14.77	4.63	12				
0.00	0.00	0.00	0.01	0.01	0.00	12.17	0.20	12.37	12.37	1.85	13				
0.00	0.00	0.00	0.00	0.00	0.00	14.88	0.21	15.09	15.09	2.25	14				
0.00	0.00	0.00	0.00	0.01	0.00	14.28	0.24	14.52	14.52	2.68	15				
0.00	0.00	0.00	0.00	0.01	0.00	14.48	0.24	14.72	14.72	2.68	16				
0.02	0.00	0.00	0.60	0.00	0.00	2.05	0.04	2.10	1.90	1.07	17				
0.02	0.00	0.00	0.73	0.00	0.00	2.53	0.03	2.56	2.26	1.46	18				
0.02	0.00	0.00	0.65	0.00	0.00	2.11	0.05	2.16	1.97	1.12	19				
0.02	0.00	0.00	0.65	0.00	0.00	2.11	0.05	2.16	1.97	1.12	20				

0.00 When no production reported or insignificant production.

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